

Appl. No. 10/613,374

Docket No. 1998B037A/2

Preliminary Amdt. dated September 17, 2003

Listing of Claims:

1. (Currently Amended) An uncrosslinked blend composition comprising a dispersed phase of a crystalline polymer component in a continuous phase of a crystallizable polymer component wherein:
 - a) the crystalline polymer component is dispersed in phases less than $3\mu\text{m} \times 3\mu\text{m} \times 100\mu\text{m}$ in size,
 - b) the blend composition has greater than 65% propylene units by weight,
 - c) the blend comprises greater than 1% but less than 40% by weight, based on the total weight of the blend, of a crystalline first polymer component and the balance less than 99% but greater than 60% by weight, based on the total weight of the blend, of a crystallizable second polymer component, such crystallinity being due to stereoregular polymerized propylene units,
 - d) both first and second polymer component contain stereoregular polymerized propylene units of similar tacticity, and
 - e) the blend has a tensile elongation greater than 650%,
wherein the first polymer component has a melting point by DSC equal to or above 115°C, and wherein the second polymer component has a melting point by DSC equal to or less than 100°C.
2. (Currently Amended) The composition of claim 1 wherein an additional second polymer ~~composition~~ component, intermediate in melting point and heat of fusion between the first polymer component and the second polymer component is added, and wherein said additional second polymer component comprises stereoregular polypropylene of similar tacticity to the first and second polymer component.
3. (Original) The composition of claim 1 wherein the stereoregular polypropylene is isotactic polypropylene.

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4. (Original) The composition of claim 1 wherein the first polymer component is isotactic polypropylene homopolymer or a copolymer of propylene and a comonomer selected from the group consisting of C₂ and C₄-C₂₀ α -olefins.
5. Cancelled.
6. (Original) The composition of claim 1 wherein the second polymer component has a heat of fusion of less than 75 J/g.
7. (Original) The composition of claim 1 wherein the second polymer component is comprised of from about 6% by weight to about 35% by weight ethylene units.
8. (Original) The composition of claim 1 wherein the second polymer component has a melting point by DSC between about 30°C and about 100°C.
9. (Original) The composition of claim 1 wherein the second polymer component has a molecular weight distribution of about 2.0 to about 3.2.
10. (Original) The composition of claim 1 wherein the second polymer component is made in a solution polymerization process.
11. (Currently Amended) The composition of claim 1 wherein the first polymer component has a melting point equal to or greater than about 130°C and the second polymer component has a melting point equal to or less than about 100°C.
12. (Original) The composition of claim 1 additionally comprising process oil.

13. (Currently Amended) The composition of claim 1 wherein the glass transition temperature of the blend is lower than the glass transition temperature of the second polymer component used to make the blend.
14. (Original) The composition of claim 1 having a tension set from 200% extension equal to or less than $0.02M + 5$ wherein M is 500% modulus expressed in lbs/inch^2 .
15. (Original) The composition of claim 1 having a tension set from 200% extension equal to or less than $0.0108M + 3$ wherein M is 500% modulus expressed in lbs/inch^2 .
16. (Original) The composition of claim 1 having a tension set from 200% extension equal to or less than $0.0052M + 2$ wherein M is 500% modulus expressed in lbs/inch^2 .
17. (Original) The composition of claim 1 having a flexural modulus in kpsi.in/in equal to or less than $0.013M - 1.3$ wherein M is 500% modulus expressed in lbs/inch^2 .
18. (Original) The composition of claim 1 having a flexural modulus in kpsi.in/in equal to or less than $0.0083M - 1.6$ wherein M is 500% modulus expressed in lbs/inch^2 .
19. (Original) The composition of claim 1 having a flexural modulus in kpsi.in/in equal to or less than $0.0062M - 2.5$ wherein M is 500% modulus expressed in lbs/inch^2 .
20. (Currently Amended) The composition of claim 1 wherein said composition has been aged annealed.
21. Cancelled.

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22. (Original) The composition of claim 1 wherein said composition has been oriented.
23. (Original) An article of manufacture comprising the composition of claim 22.
24. (Original) The article of claim 23 having a tension set equal to or less than $0.011M + 3$ wherein M is 500% modulus expressed in lbs/inch^2 .
25. (Original) The article of claim 23 having a tension set equal to or less than $0.0057M + 2$ wherein M is 500% modulus expressed in lbs/inch^2 .
26. (Original) The article of claim 23 having a tension set equal to or less than $0.0035M + 1$ wherein M is 500% modulus expressed in lbs/inch^2 .
27. (Original) The article of claim 23 having a flexural modulus in kpsi.in/in equal to or less than $0.013M - 1.3$ wherein M is 500% modulus expressed in lbs/inch^2 .
28. (Original) The article of claim 23 having a flexural modulus in kpsi.in/in equal to or less than $0.0083M - 1.6$ wherein M is 500% modulus expressed in lbs/inch^2 .
29. (Original) The article of claim 23 having a flexural modulus in kpsi.in/in equal to or less than $0.0062M - 2.5$ wherein M is 500% modulus expressed in lbs/inch^2 .
30. (Currently Amended) The article of claim 23 wherein said composition is aged annealed.
31. Cancelled.